

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|--|------------------|---------|---------------------|
| L2    | 7      | ("4650651"   "5037619"   "5437123"   "6126908"   "6207122"   "6936238"   "7367996").PN. OR ("7422728").URPN. | US-PGPUB;<br>USPAT; USOCR                          | OR               | ON      | 2009/10/06<br>11:32 |
| L3    | 56510  | partial\$3 near oxid\$6 or CPO or POX  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:40 |
| L4    | 3463   | 3 same (reformer or reform\$5 near catal\$8)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:40 |
| L5    | 191    | 4 same (inject\$3 or add \$3) near4 (oxidant or air or oxygen)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:49 |
| L6    | 12     | 5 and diesel near5 reform\$5   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:55 |
| L7    | 1595   | 3 same (reformer or reform\$5 near catal\$8) near3 steam   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:57 |
| L8    | 51     | 7 same (inject\$3 or add \$3) near4 (oxidant or air or oxygen)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:58 |
| L9    | 1703   | 3 same (SMR or SR or reformer or reform\$5 near catal\$8) near3 steam  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:58 |
| L10   | 53     | 9 same (inject\$3 or add \$3) near4 (oxidant or air or oxygen)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>11:59 |
| L11   | 329524 | (SMR or SR or steam near reform\$5)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/10/06<br>12:04 |

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| L12 | 225109  | (inject\$3 or add\$3)<br>near4 (oxidant or air or<br>oxygen)                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:04 |
| L13 | 199     | 11 with 12   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:04 |
| L14 | 56549   | partial\$3 near oxid\$6<br>or CPO or POX or<br>CPOX  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:05 |
| L15 | 62      | 13 same2 14  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:05 |
| L16 | 1136440 | partial\$3 near oxid\$6<br>or CPO or POX or<br>CPOX or oxidation or<br>oxidiz\$4           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:05 |
| L17 | 90      | 13 same2 16  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:06 |
| L18 | 227461  | (inject\$3 or add\$3)<br>near4 (fuel)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:13 |
| L19 | 23137   | 18 near8 between   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:14 |
| L20 | 5       | 19 same 16 same 11   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:14 |
| L21 | 5       | ((("4741885") or<br>("7138001") or<br>("4888130") or<br>("6613466") or<br>("6911193")).PN. | USPAT; USOCR                                       | OR | OFF | 2009/10/06<br>12:25 |
| L22 | 5       | ("20020013227"  <br>"5112527"  <br>"6365544").PN. OR<br>("6911193").URPN.                  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2009/10/06<br>12:41 |
| L23 | 1354    | 14 with (stage)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2009/10/06<br>12:42 |

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| L24 | 4248   | 14 with (stage near2 multiple or second or two)              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>12:43 |
| L25 | 465    | 14 with (stage near2 (multiple or second or two))            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>12:44 |
| L26 | 136    | 25 and reform\$5   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>12:44 |
| L27 | 6      | 25 same bypass\$3  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>12:52 |
| L28 | 233771 | (oxidation or combust \$5) near2 (zone or chamber or vessel) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>12:57 |
| L29 | 47887  | 28 with exhaust  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>13:00 |
| L30 | 355    | 29 with (reform\$5)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>13:01 |
| L31 | 62     | 30 same3 endotherm \$5                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>13:01 |
| L32 | 13     | 31 and "48".clas.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>13:01 |
| L33 | 966    | 14 with exhaust  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>14:50 |
| L34 | 19     | 33 same bypass\$3  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>14:50 |
| L35 | 629305 | direct\$3 near3 (exchange or transfer or contact)            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>14:58 |

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| L36 | 1138    | 35 and "48".clas.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>14:58 |
| L37 | 6395    | 35 with start\$4  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:04 |
| L38 | 10      | 37 and "48".clas.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:04 |
| L39 | 30942   | direct\$3 near3<br>(exchang\$3 near heat)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:05 |
| L40 | 210     | 39 near8 (fast\$3 or<br>quick\$3 or<br>advantageous or<br>preferable)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:06 |
| L41 | 0       | direct4 near heat with<br>indirect near heat  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:08 |
| L42 | 1024    | direct near heat with<br>indirect near heat   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:08 |
| L43 | 143     | 42 same catalyst  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:08 |
| L44 | 59      | 42 with catalyst  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:08 |
| L45 | 9       | direct near heat with<br>indirect near heat with<br>(faster or quicker or<br>advantageous or<br>preferable)       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:13 |
| L46 | 9829815 | (heat up or warm up or<br>startup or heatup or<br>warm\$3 up) or (activat<br>\$3 or ignit\$3) near<br>temperature | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:16 |
| L47 | 20291   | 46 with (reform\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:16 |

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| L48 | 31      | 47 same 42   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:17 |
| L49 | 7142538 | (heatup or warm up or<br>startup or heatup or<br>warm\$3 up) or (activat<br>\$3 or ignit\$3) near<br>temperature | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:19 |
| L50 | 7244    | 49 with (reform\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:19 |
| L51 | 3       | 50 same 42   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:19 |
| L52 | 7142538 | (heatup or warmup or<br>startup or heatup or<br>warm\$3 up) or (activat<br>\$3 or ignit\$3) near<br>temperature  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:20 |
| L53 | 8268    | direct\$2 near heat near<br>(transfer or exchange)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:21 |
| L54 | 8268    | 46 with 53   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:21 |
| L55 | 481     | 52 with 53   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:22 |
| L56 | 6       | 55 same reform\$5  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:22 |
| L57 | 453     | direct\$2 near (heat\$3)<br>near\$3 catalyst   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:33 |
| L58 | 39      | 57 with start\$3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/10/06<br>15:33 |

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